

**METHODS FOR PREPARING FLUID DIFFUSION LAYERS
AND ELECTRODES USING COMPACTION ROLLERS**

Abstract

Methods of preparing a fluid diffusion layer
comprise continuously applying a loading material
to a substrate and continuous compacting the
substrate and loading material applied thereto
5 with at least one compaction roller. Methods of
preparing an electrode comprise continuously
applying an electrocatalyst to a fluid diffusion
layer and continuously compacting the fluid
diffusion layer and electrocatalyst applied
10 thereto with at least one compaction roller. The
methods can be employed in a continuous process
and can increase the penetration and adhesion of
the loading material.